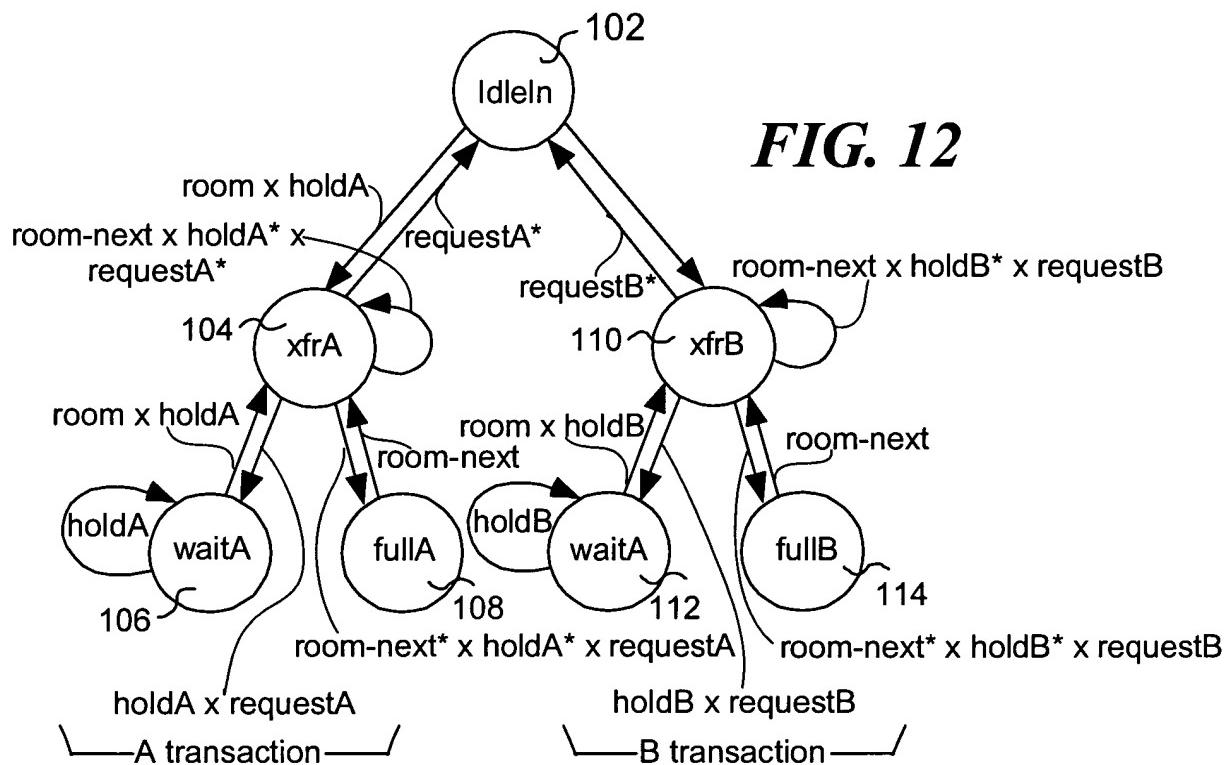




**FIG. 11**

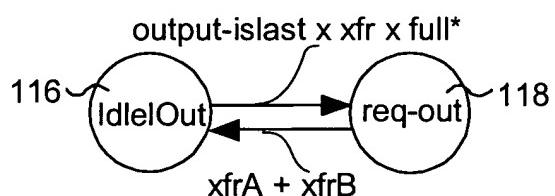
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

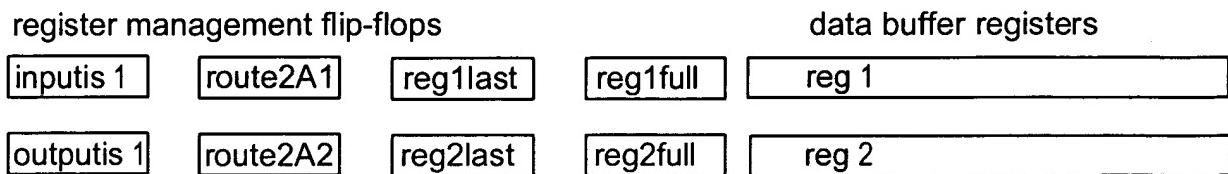


**FIG. 12**

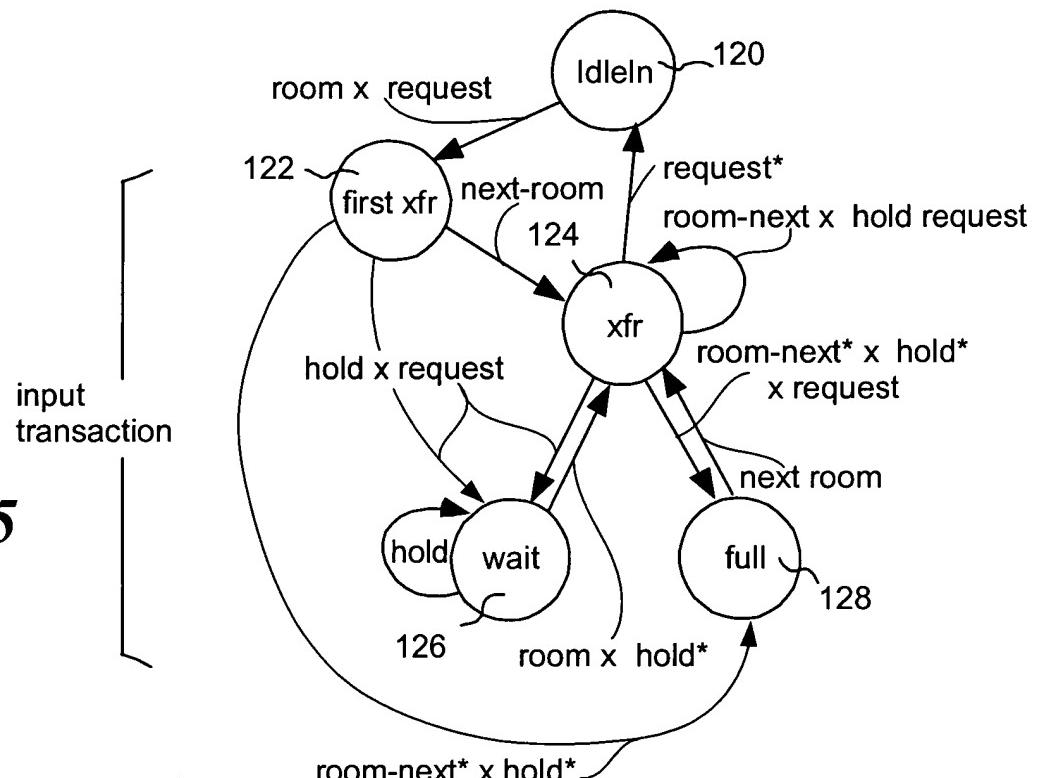
$\text{transaction} = \text{IdleIn}^*$   
 $\text{room-next} = \text{empty} + \text{xfr}$   
 $\text{room} = \text{reg1full}^* + \text{reg2full} + \text{xfr}$   
 $\text{full} = \text{reg1full} \times \text{reg2full}$   
 $\text{empty} = \text{reg1full}^* \times \text{reg2full}^*$

**FIG. 13**



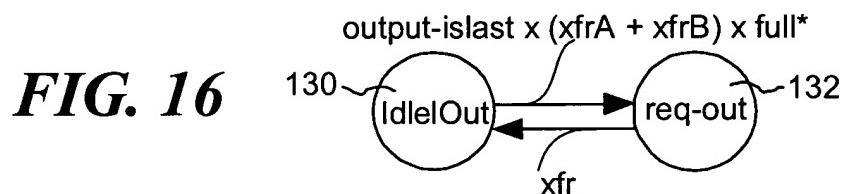


**FIG. 14**



**FIG. 15**

$\text{transaction} = \text{IdleIn}^*$   
 $\text{room-next} = \text{empty} + \text{xfrA} + \text{xfrB}$   
 $\text{room} = \text{reg1full}^* + \text{reg2full}^* + \text{xfrA} + \text{xfrB}$   
 $\text{full} = \text{reg1full} \times \text{reg2full}$   
 $\text{empty} = \text{reg1full}^* \times \text{reg2full}^*$



**FIG. 16**